SPRAY BOOTH

ABSTRACT

A spray booth has an enclosure structure, a ventilation system and overhead lighting. An upper region of the structure defines an air inlet plenum. Air exits the inlet plenum into the work area of the booth through an array of filter elements. The resistance to airflow of the filter elements may be tuned to encourage non-uniform airflow in the workspace, and, in particular, to create a proportionately large inflow in a central region, and a flow near the walls. Part of the inflow may be located outboard of the overhead lighting assemblies, and part of the inflow may be located inboard of the lighting assemblies. The overhead lighting assemblies may be spaced apart by a distance that may be greater than the width of objects to be coated in the spray booth, and the lighting assemblies may be canted inward at an oblique angle relative to the horizontal, such that the wash of light from the spaced apart light sources may tend to be convergent.